

History and Future of Wisconsin LFGTE

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Background

- Regulation
 - Solid waste: must collect gas
 - Air: must destroy collected gas
- Financials
 - PURPA 1978: Utility must buy electricity
 - Outagamie ~1982: boiler demonstration
 - Section 29 tax credit ~ 1992



Early WI projects

- Tork: ambitious, gas refining for autos
- Counties: Outagamie, Winnebago, Dane
- Some state funding
- Good development of bulk-power business model, as done in other states



Recent state mandates and opportunities

- ...stay tuned
- 50 MW renewables mandate
- Green pricing (WMI WEPCo)
- Renewable portfolio standard
 - ~ 100 million new kW-hr per year until 2011
 - ~ 12 new MW per year if all LFG



Future

- Bulk Power
- Direct Use
- Demand-side applications



Bulk Power

- Little help from state
 - the market is well-developed.
 - RPS is in place
- Feds??
- LFGTE still least-cost of the renewables?



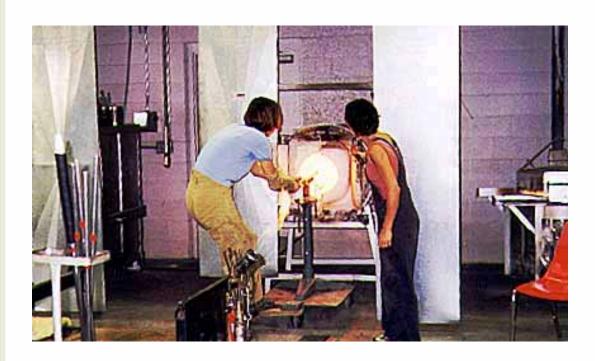
Direct use

- Energy Exchange
 - www.energyxchange.org
 - Oneida County





Direct use



Arts incubator
USDA Biz Dev

SMALL landfill



Demand-Side

- Thermal or electric
- State assistance available
- For example

customer's side of the electric meter, excess to utility

combined heat and power



Contact info

and a small thought to ponder

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I do not know what I may appear to the world; but to myself I seem to have been only like a boy, playing on the sea-shore, and diverting myself, in now and then finding a smoother pebble, or a prettier shell than ordinary, whilst the great ocean of truth lay all undiscovered before me.

-- Isaac Newton